

[NAME OF DOCUMENT] ABSTRACT OF THE DISCLOSURE

It is an object of the present invention to provide an optical recording disc which can record data constituted by a recording mark train including recording marks and blank regions neighboring recording marks therein and reproduce the data therefrom in a desired manner even in the case where the lengths of a recording mark and a blank region between neighboring recording marks are shorter than the resolution limit and whose storage capacity can be markedly increased.

An optical recording disc is constituted so that data are recorded therein and data are reproduced therefrom with the irradiation with a laser beam and includes a laminated body formed by laminating a decomposition reaction layer 5 containing platinum oxide as a primary component and a light absorbing layer 7 so as to sandwich a second dielectric layer 6. The optical recording disc is further constituted so that when it is irradiated with the laser beam, a bubble pit is formed in the decomposition reaction layer 5 and fine particles of platinum precipitate into the bubble pit, thereby forming a recording mark in the decomposition reaction layer 5 and each of the fine particles of platinum has a particle diameter of 2 nm to 15 nm.